



DEPARTMENT OF WATER RESOURCES EXAMINATION ANNOUNCEMENT



The Department of Water Resources offers Equal Opportunity for all regardless of race, color, creed, national origin, ancestry, sex, marital status, disability, religious or political affiliation, age, or sexual orientation.

It is an objective of the State of California to achieve a drug-free State workplace. Any applicant for State employment will be expected to behave in accordance with this objective because the use of illegal drugs is inconsistent with the law of the State, the rules governing civil service and the special trust placed in public servants.

SENIOR CONTROL ENGINEER (SPECIALIST) OPEN NON-PROMOTIONAL SPOT SACRAMENTO

FINAL FILING DATE	July 18, 2013
	Application forms (STD 678 Rev. 06/2010) must be postmarked or submitted in person no later than the final filing date. Applications postmarked or personally delivered after the final filing date will not be accepted for any reason. FAXED APPLICATIONS WILL NOT BE ACCEPTED.
WHO SHOULD APPLY	This is an examination Open Non-promotional examination. Candidates who meet the minimum qualifications as stated below may apply for this examination. Career credits will be granted in this examination.
HOW TO APPLY	Examination Applications (Form STD 678 Rev. 06/2010) may be mailed or submitted in person. MAILING ADDRESS: Department of Water Resources P.O. Box 942836 Sacramento, CA 94236-0001 SUBMIT IN PERSON: Department of Water Resources 1416 9th Street, Room 320 Sacramento, CA 95814 DO NOT SEND APPLICATIONS TO THE DEPARTMENT OF HUMAN RESOURCES OR DEPARTMENT OF WATER RESOURCES' FIELD OFFICES. Applications are available at Department of Water Resources' (DWR) offices, the DWR website: www.water.ca.gov/jobs/currentexams.cfm , local office of the Employment Development Department, the Department of Human Resources (Cal HR), and their website: www.jobs.ca.gov
CROSS-FILING	If you meet the entrance requirements for this classification and for Senior Control Engineer (Supervisor) scheduled with the same final filing date, you may file for both examinations on a single application.
IDENTIFICATION REQUIRED	Accepted applicants are required to bring either a photo identification card or two forms of signed identification to each phase of the examination.
SPECIAL TESTING ARRANGEMENTS	If you have a disability and need special testing arrangements, mark the appropriate box in Question 2 of the "Application for Examination". You will be contacted to make specific arrangements.
SALARY RANGE	\$8,936 – 10,857
ELIGIBLE LIST INFORMATION	A departmental open non-promotional eligible list will be established for the Department of Water Resources. The list will be abolished 12 months after it is established unless the needs of the service and conditions of the list warrant a change in this period.
EXAMINATION DATES	The examination will consist of a Qualifications Appraisal Interview. It is anticipated the exam will be held during August/September.
MINIMUM QUALIFICATIONS	NOTE: All applicants must meet the minimum qualifications for this examination by the final filing date: July 18, 2013. Qualifying experience may be combined on a proportionate basis if the requirements stated below include more than one pattern and are distinguished as " Either " I, " or " II, " or " III, etc. For example, candidates possessing qualifying experience amounting to 50% of the required time of Pattern I, and additional experience amounting to 50% of the required time of Pattern II, may be admitted to an examination as meeting 100% of the overall experience requirement. Education: Graduation from a four-year college curriculum with major work in electrical, electronic or computer engineering. Progressively responsible engineering experience on control system equipment comparable to that of the statewide water facilities may be substituted for a college education on a year-for-year basis. And Either I Two years of experience in the California state service performing the duties of an Associate Control Engineer. Or II Five years of professional control system, electrical, electronic or computer engineering experience, including at least two years in the design, development and application of control systems utilizing complex electronic circuitry, combinations of electronic, electro-mechanical and hydraulic equipment, digital logic techniques, data transmission and interface equipment at a level of responsibility comparable to that of an Associate Control Engineer.

SEE REVERSE SIDE FOR ADDITIONAL INFORMATION

SENIOR CONTROL ENGINEER (SPECIALIST)		BULLETIN RELEASE DATE: JUNE 20, 2013	
OPEN NON PROMOTIONAL		FINAL FILING DATE: JULY 18, 2013	
POSITION DESCRIPTION	This is a non-supervising senior specialist position. With oversight of the Supervising Control Engineer the incumbent plans, leads, and organizes technical projects in support of developing, implementing, and maintain systems which operate the State Water Project. As a Senior Specialist the incumbent may be assigned as a project manager having non-administrative charge of technical groups and act as the lead engineer on specialized tasks or projects. These assignments include managing and directing the administration, optimization and maintenance of multiple systems such as SCADA (Supervisory Control and Data Acquisition), plant automation controllers, energy management systems, application servers, multiple synchronized databases and their associated interfaces, and historical data used for both real time operations and plant maintenance trending analysis. The incumbent will also review, document, and recommend operation, maintenance and testing procedures including operation manuals and training programs. Assignments may involve interaction with other government agencies or with private contractors. Incumbents provide recommendations to Operations and Maintenance management and field division personnel. <i>Positions exist in Sacramento with the Department of Water Resources.</i>		
EXAMINATION INFORMATION	This examination will consist of a Qualifications Appraisal Interview – Weighted 100% . In order to obtain a position on the eligible list, a minimum overall rating of 70% must be attained. COMPETITORS WHO DO NOT APPEAR FOR THE PERFORMANCE TEST AND INTERVIEW WILL BE DISQUALIFIED.		
SCOPE OF EXAMINATION	Qualifications Appraisal Interview – Weighted 100% In addition to evaluating the competitors’ relative abilities as demonstrated by quality and breadth of experience, emphasis in the examining performance test and interview will be on measuring competitively, relative to job demands, each competitor’s: A. Knowledge of: <ol style="list-style-type: none">1. Engineering theory and practices, terminology, regulatory requirements, and trends in control systems engineering, supervisory control and data acquisition of dynamic systems for industrial processes including: dynamic stability, feedback loops, economic and failure analyses, data handling, interfacing, digital logic, computer use and programming, designing, developing, testing, optimizing, maintenance, and modification of control systems similar to those used on the statewide water facilities.2. A high level of expertise in major areas of control work such as: integrated control system architecture design and document.3. Principles and practices of effective project management, supervision, mentoring, organization, and budgeting.4. Federal Energy Regulatory Commission (FERC), National Energy Reliability Commission (NERC), and the Western Electrical Coordination Council (WECC) regulations. B. Ability to: <ol style="list-style-type: none">1. Analyze and document complex control and system requirements for process flow.2. Document operational criteria, design, develop control systems, and select equipment.3. Integrate control systems with other internal and external business systems, develop and maintain software, develop test and maintenance procedures, interpret plans and specifications, and document.4. Maintain cooperative relations with those contacted in the course of work.5. Utilizing utility industry best practices and metrics prepare comprehensive, clear and concise reports and correspondence.6. Plan, organize, direct, monitor, and report the work activities of project staff.		
ADDITIONAL DESIRABLE QUALIFICATIONS	Possession of a certificate of registration as an Electrical or Control System Engineer issued by the California State Board of Registration for Professional Engineers.		
CAREER CREDIT	Career credits will be granted in this examination.		
VETERANS PREFERENCE	Veterans Preference Credit will not be granted in this examination, as it does not qualify as an entrance examination under the law.		

GENERAL INFORMATION

The Department of Water Resources reserves the right to revise the examination plan to better meet the needs of the service if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service laws and rules and all competitors will be notified.

For any examination without a written feature it is the candidate's responsibility to contact the Selection Services Section of the Department of Water Resources, (916) 653-4838 three weeks after the final filing date if he/she has not received a progress notice.

Applications are available at Department of Water Resources’ (DWR) offices, the DWR website: www.water.ca.gov/jobs/currentexams.cfm, local office of the Employment Development Department, the Department of Human Resources (CAL HR), and their website: www.jobs.ca.gov

If you meet the requirements stated on the reverse, you may take this examination, which is competitive. Possession of the entrance requirement does not assure a place on the eligible list. All candidates who pass will be ranked according to their scores.

General Qualifications: Candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, and ability to work cooperatively with others; and a state of health consistent with the ability to perform the assigned duties of the classification.

Examination Locations: When a written test is part of the examination, it will be given in such places in California as the number of candidates and conditions warrant. Ordinarily, qualifications appraisal interviews are scheduled in Sacramento and Los Angeles. However, locations of interviews may be limited or extended as conditions warrant.

If a candidate’s notice of oral interview fails to reach him/her prior to the day of the interview due to a verified postal error, he/she will be rescheduled upon written request.

Eligible Lists: Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) subdivisional promotional, 2) departmental promotional, 3) multidepartmental promotional, 4) servicewide promotional, 5) departmental open, 6) open eligible list. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in one to four years unless otherwise stated on this bulletin. In the case of continuous testing examinations, names are merged into the appropriate lists in order of final test scores (except as modified by veterans preference credits) regardless of the date of the test, and the resulting eligible lists will be used only to fill vacancies in the area shown on the bulletin.

TDD is Telecommunications Device for the Deaf and is reachable only from phones equipped with a TDD Device. TDD: (916) 653-1804; California Relay Service: 1-800-735-2929 (TDD); 1-800-735-2922 (Voice)

For information regarding this examination, please contact Brandon Littlejohn at (916) 653-7109.

O/NP (Rev. 6/13)